

Cc: Robin, George[Robin.George@epa.gov]; Albright, David[Albright.David@epa.gov]; Mark Nelson[mnelson@horsleywitten.com]
To: Jim Walker[jameswalker5@msn.com]
From: Robert Nast
Sent: Mon 1/13/2014 10:49:08 PM
Subject: Re: Needed Info on a CA Deep Injection Well You Inspected

Thanks!

Sent from my iPhone

On Jan 13, 2014, at 2:42 PM, "Jim Walker" <jameswalker5@msn.com> wrote:

Hi Bob,

I reviewed the CDOGGR UIC Program and authored the attached report in 2011 with the support of the Horsley Witten Group and at the request of the US EPA Region 9 Ground Water Office. However, I did not physically inspect the UIC Class II wells in Oxnard, CA. The report would have been incomplete without the much appreciated assistance and cooperation of CDOGGR staff. Thank you for the compliment on the report.

I doubt that I am fully qualified to answer your questions and will refer you to George Robin in the Ground Water Office in Region 9 for discussion of your concerns. I will say that I have similar concerns about injection of fluids for long-term disposal in the subsurface at pressures that exceed the parting pressure of the receiving and confining formations, especially in seismically active areas. However, I am not aware of any such wells that fit that description.

Sincerely,
Jim Walker

From: Robert Nast
Sent: Saturday, January 11, 2014 6:59 PM
To: jameswalker5@msn.com
Subject: Needed Info on a CA Deep Injection Well You Inspected

Dear Jim,
I'm an environmental activist (retired civil servant looking to stay relevant) in Oxnard CA. Back in Jun 2011 you conducted an inspection of UIC Class II wells in Oxnard CA. I've attached a copy of the report. Excellent job!

We are particularly concerned with two deep injection wells located in Oxnard CA operated by Anterra Energy, since they are (1) near a CA water resource well, (2) the subject of significantly increased use due to fracking/acidizing, and (3) located in productive strawberry fields with field workers in close proximity-a cause for worker safety and economic concerns.

I was hoping you might provide us some gratis consultant work? We don't expect you to remember any particulars, but we were hoping you could answer some general questions based on your years of experience in the field [on a non-attributed basis]. They are:

(1) Does anyone from DOGGR physically inspect to see if hazwaste being injected into the wells comply with what the well was permitted to accept? More specifically, hydraulic fracturing and acidizing in CA may be producing significant amounts of NORM, which are not supposed to be dispositioned in Class II deep injection wells-I believe..

(2) Are there any limitations for operating Class II deep injection wells in proximity to CA water source wells(3) DOGGR keeps insuring concerned citizens in an earthquake prone state (Ventura County has faults capable of >M7.0 quakes) that increased use of Class II wells poses no manufactured seismicity threats -as long as-(I'm paraphrasing) the hydraulic pressure of the well remains neutral, which they and the operator monitor closely . However, empirical evidence/experience from other (less earthquake prone) states (e.g. Oklahoma, TX, Ark, W. VA., Ohio) does not corroborate this seemingly cavalier position. Care to comment?
Thanking you in advance,

Best Regards,
Bob Nast

Ex. 6 - Personal Privacy